



38W Universal Input, Dual Output Adapter PSA45U-201 Switching Power Supply



Features

- Universal Input from 90-264VAC
- Built-in EMI Filter-Class B
- Overvoltage and Short Circuit Protection
- Compact Size

Applications

- Microcomputers
- Desktop Peripherals
- Instruments
- Test Equipment

Safety Compliance

- cUL 1950 3rd Edition
- CE
- TUV IEC950 (EN60950)

Mechanical Characteristics

- Length: 140mm (5.51in)
- Width: 63mm (2.48in)
- Height: 40mm (1.58in)
- Weight: 0.38kg (0.84lbs)

Output Specifications

Model	DC Output Voltage	Load		Ripple (1) P-P (max)	Regulation	
		Min.	Max.		Line	Load
PSA45U-201	+5V	0.3A	4.0A	50mV	±1%	±5%
	+12V	0.2A	1.5A	120mV	±1%	±5%

Note: (1) Ripple and noise is measured using a 12 inch twisted pair terminated with a 10mf capacitor and a 0.1mf ceramic in parallel.

Phihong reserves the right to make changes without further notice. Please consult Phihong USA and visit www.phihong.com for the most up-to-date specifications.

INPUT:

AC Input Voltage

90 to 264 VAC

AC Frequency

47 to 63 Hz

AC Input Current

1.2A (rms) 120 VAC at Max. Load

0.6A (rms) 240 VAC at Max. Load

Max Inrush Current

50 A Max. 120 VAC at Max. Load

100 A Max. 240 VAC at Max Load

Leakage Current

3.5 mA Max

OUTPUT:

Hold-up Time

12 m Sec @ 120 VAC at Max. Load

Overvoltage Protection

Zener Diode Clamping

Overcurrent Protection

Short Circuit. Auto Restart

ENVIRONMENTAL:

Temperature

Operation: 0°C to +40°C

Non-operation: -25°C to +85°C

Humidity

Operation and Storage: 5% to 80%

Non-Operation: 5% to 95%

Emissions

EN 55022 Class B

FCC Class B

VCCI Class B

GENERAL

Efficiency

70% Typical at Max Load and 120 VAC

Dielectric Withstand (Hi-pot)

1500 VAC for 1 minute, 10 mA.

Switching Frequency

17-55 KHz

MTBF

>100K Hrs. at Max. Load and 240 VAC 50Hz

Mating Connectors

AC: IEC320 Cord

DC: 5pin DIN, 180°, female

Dimension Diagram Unit: mm

